

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims in the application.

**Listing of Claims:**

1. (Currently Amended) A method for separating virtually completely cytosolic and parenchyma components from cell walls and fibrous components of vegetable material, said method comprising fiberizing said vegetable material, by means of a pulp or paper mill refiner, to substantially open all cell walls and dissociate virtually completely all cytosolic and parenchyma materials from cells walls and fibrous materials; and subsequently separating said fiberized and dissociated material and into a fiber fraction, which comprises substantially virtually completely all dissociated fibrous materials and cell walls, and a juice stream, which comprises substantially virtually completely all dissociated cytosolic materials and parenchyma.

2. (Original) A method according to claim 1, wherein the juice stream comprises chloroplasts.

3. - 4. (Cancelled)

5. (Previously Amended) A method according to claim 1, wherein the fiber fraction is separated from the juice stream by screening, centrifugation, processing by cyclone, hydrocyclone, centriscreening, decanting, sedimentation, or combinations thereof.

6. (Previously Amended) A method according to claim 1, wherein the vegetable material originates from a genetically modified plant.

7. (Previously Amended) A method according to claim 1, wherein the vegetable material comprises parts of a plant which grow underground.

8. (Previously Amended) A method according to claim 1, wherein the vegetable material originates from a cultivated crop.

9.- 15. (Cancelled)

16. (Previously Amended) A method according to claim 1, further comprising recovering or purifying at least one nutritional substance from said juice stream.

17. (Previously Amended) A method according to claim 16, wherein said nutritional substance is a carbohydrate.

18. (Previously Amended) A method according to claim 1, further comprising recovering or purifying at least one recombinant product from said juice stream.

19. - 39. (Cancelled)